

GDF-8

DNA SEQUENCE

GATTTTGGCCTTGACTGCGACGAGCACTCAACGGAATCTCGATGTTGTCGCTA
CCCGCTGACAGTGGATTTTGAAGCTTTTGGATGGGACTGGATTATAGCACCTA
AAAGATACAAAGCCAATTACTGCTCTGGAGAATGTGAATTCGTATTTCTACA
GAAATACCCGCACACTCACCTGGTACACCAAGCAAATCCAAGAGGCTCAGCA
GGCCCTTGCTGCACACCCACCAAGATGTCCCCTATAAACATGCTGTATTTCAA
TGGAAGAAGAACAAATAATATATGGAAAGATACCAGCCATGGTTGTAGATCGT
TGCGGGTGCTCATGAGAC

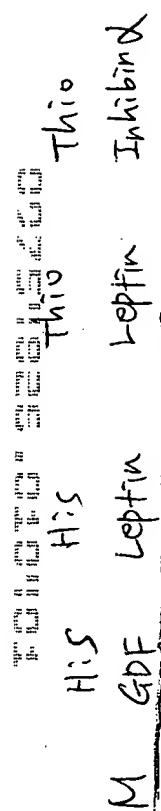
SEQ ID NO: 4

PROTEIN SEQUENCE

DFGLDCDEHSTESRCCRYPLTVDFEAFGWDWIIAPKRYKANYCSGECEVFLQK
YPHTHLVHQANPRGSAGPCCTPTLMSPINMLYFNGKEQIIYGKIPAMVVDRCGCS

SEQ ID NO: 2

Fig 1



↑
△
▽
K

30K 7

20K →

14K →

Fig 2

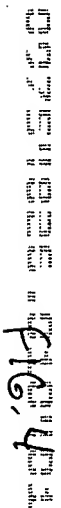
MRGAAHHHHHGGSDFGLDXDEHSTESBXXRY

Whole Live Turkeys (Immunized vs Control)



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Wgt. Dates



Avg. Wgts. in Grams

— Control (N=21)
 --- Immunized (N=31)

Wgt. Dates

3/25 4/2 4/9 4/16 4/23 4/30 5/7 5/14 5/28

$P < 0.05$

Date	Control (N=21) Avg. Wgt. (g)	Immunized (N=31) Avg. Wgt. (g)
3/25	~100	~100
4/2	~200	~200
4/9	~400	~500*
4/16	~600	~700*
4/23	~800	~900*
4/30	~1000	~1100*
5/7	~1200	~1300*
5/14	~1400	~1500*
5/28	~1600	~1700*

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Body Weight

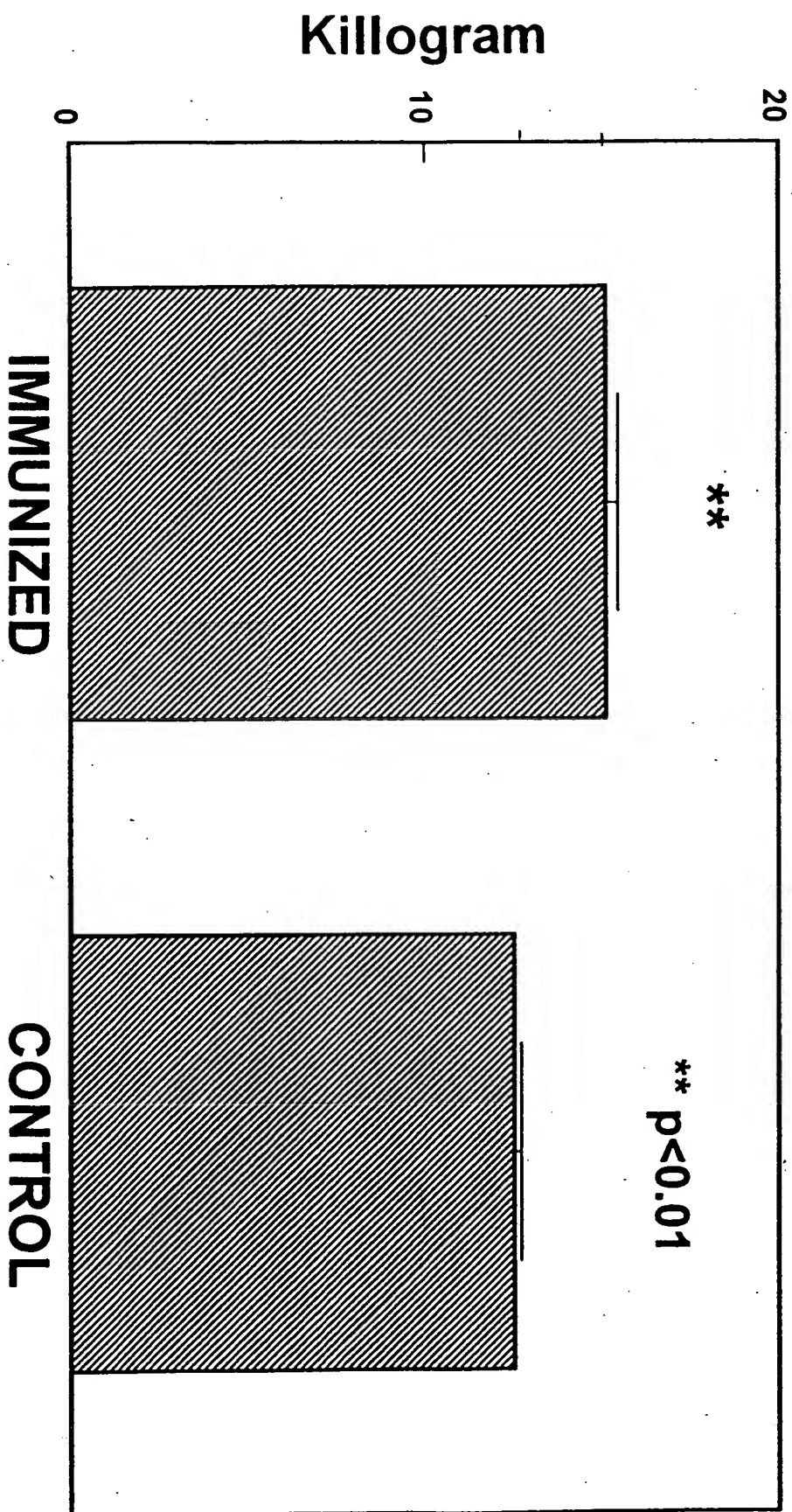


Figure 7 shows the breast muscle weight in grams for the immunized and control groups. The immunized group shows a significantly higher breast muscle weight compared to the control group, with a p-value of less than 0.01.

Breast Muscle Weight

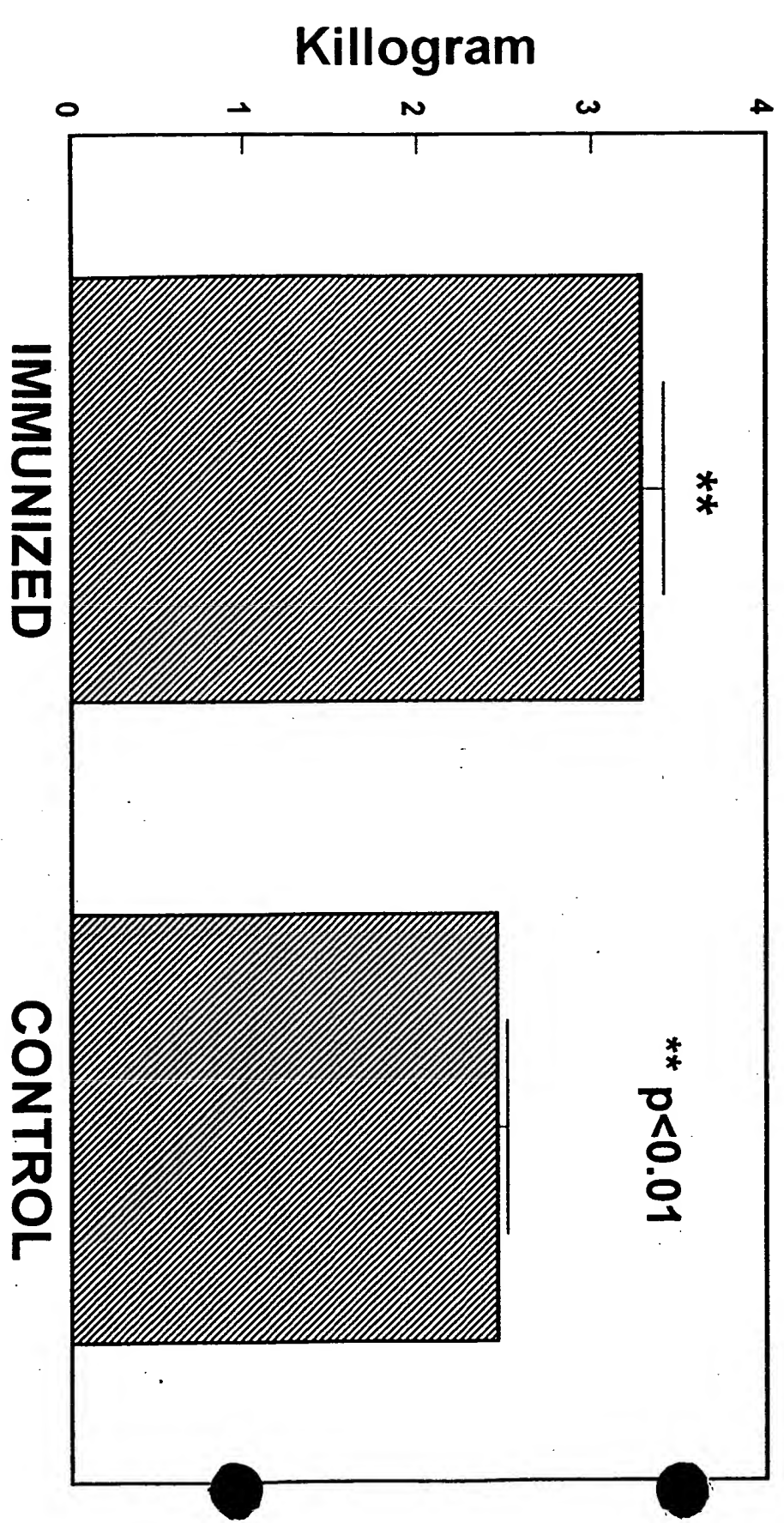


FIG. 7

Thigh Muscle Weight

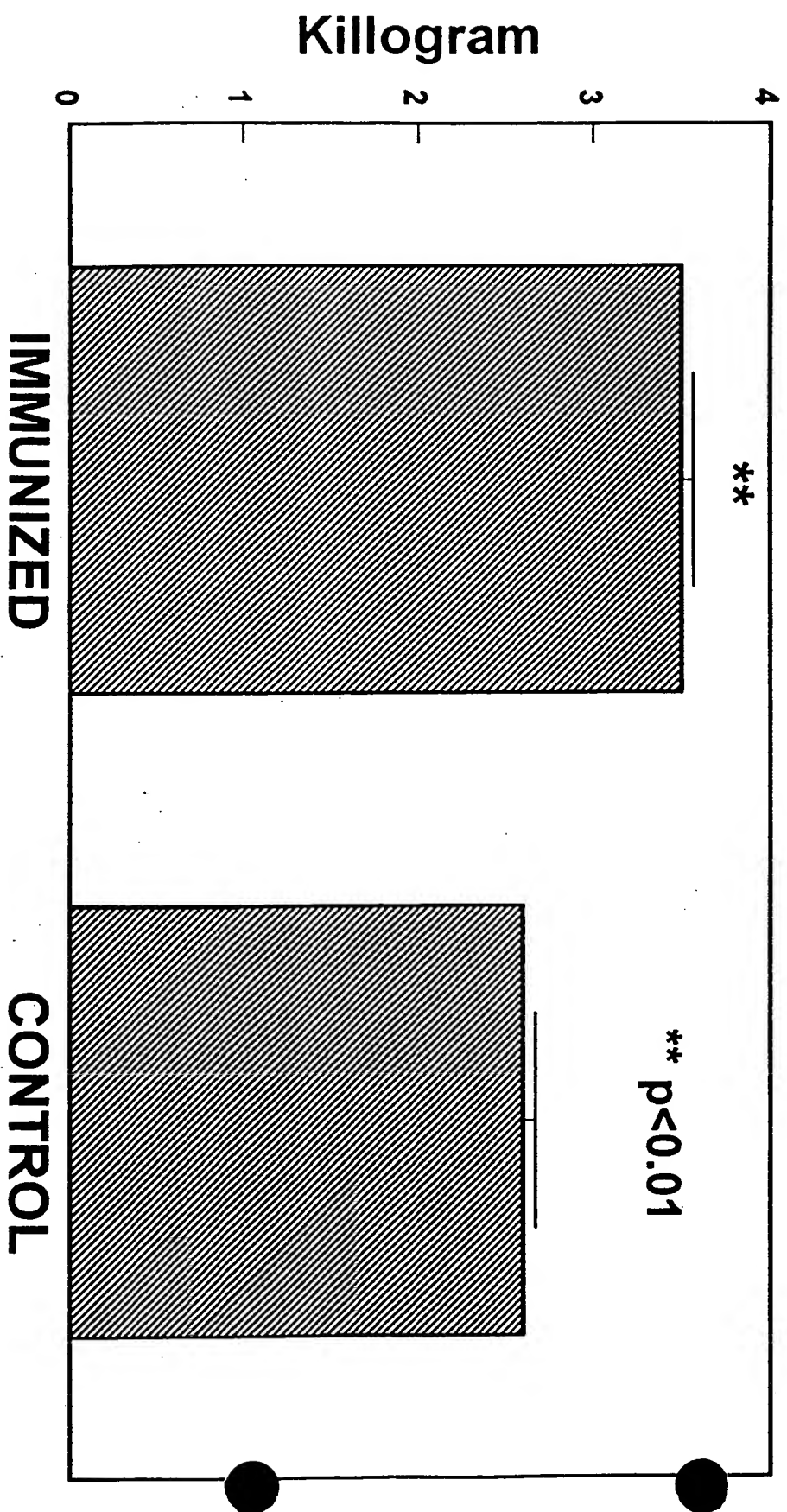


FIG. 8

Breast Bone Weight

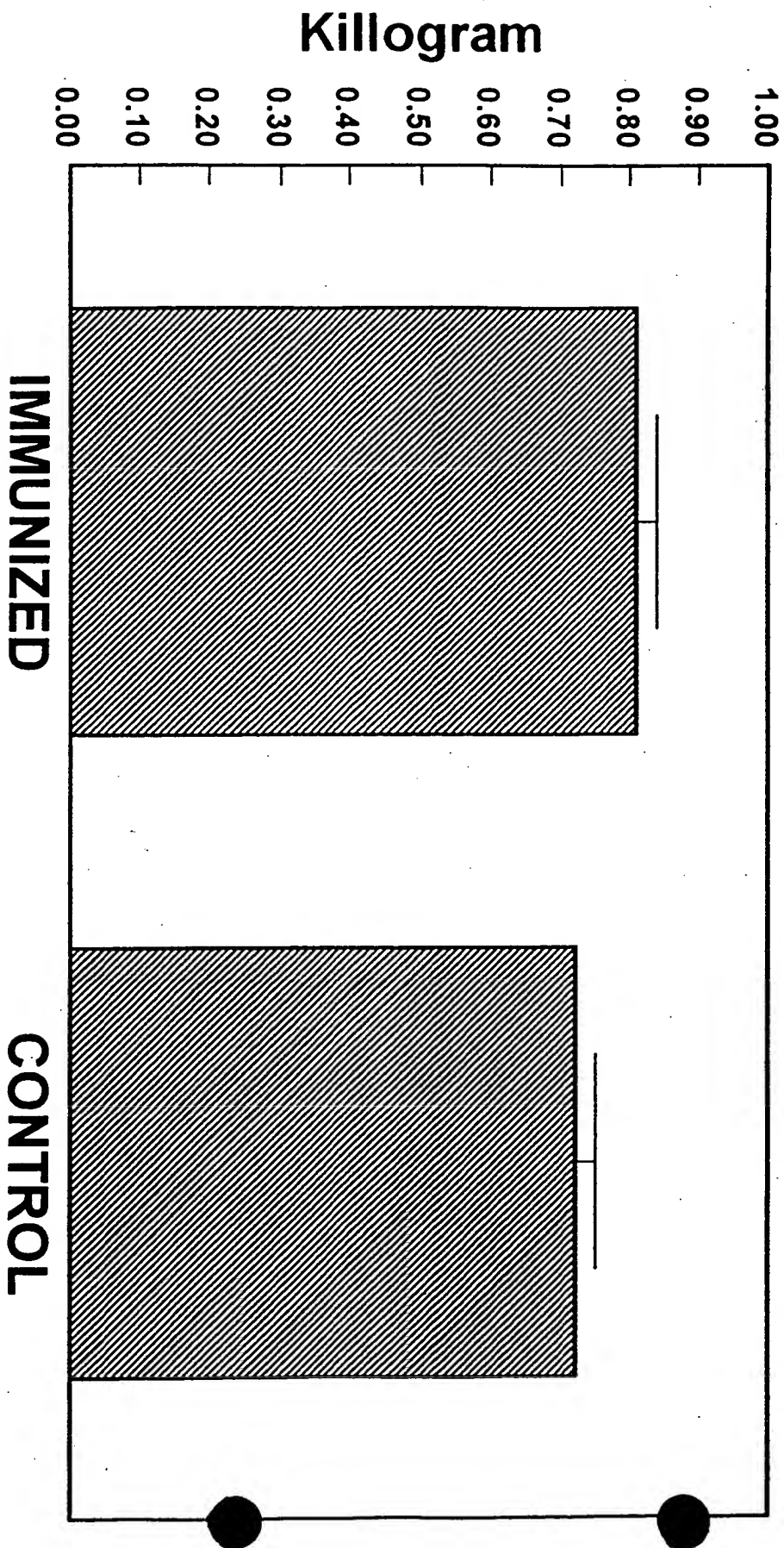


FIG. 9

Figure 10 shows the abdominal fat weight in grams for immunized and control groups.

Abdominal Fat Weight

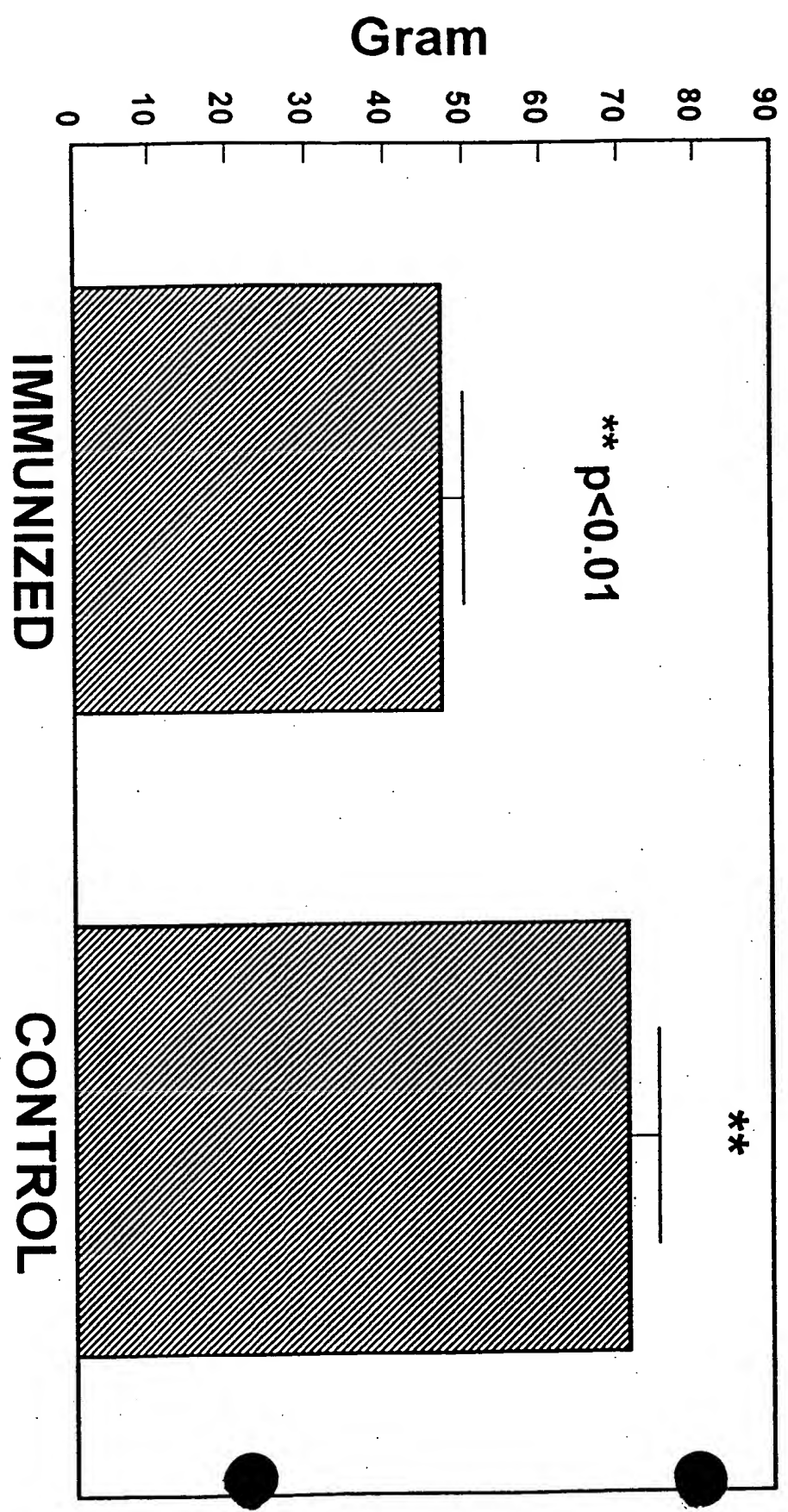


FIG. 10

Figure 11 shows the gut weight of immunized and control groups. The immunized group shows a significantly lower gut weight compared to the control group.

Gut Weight

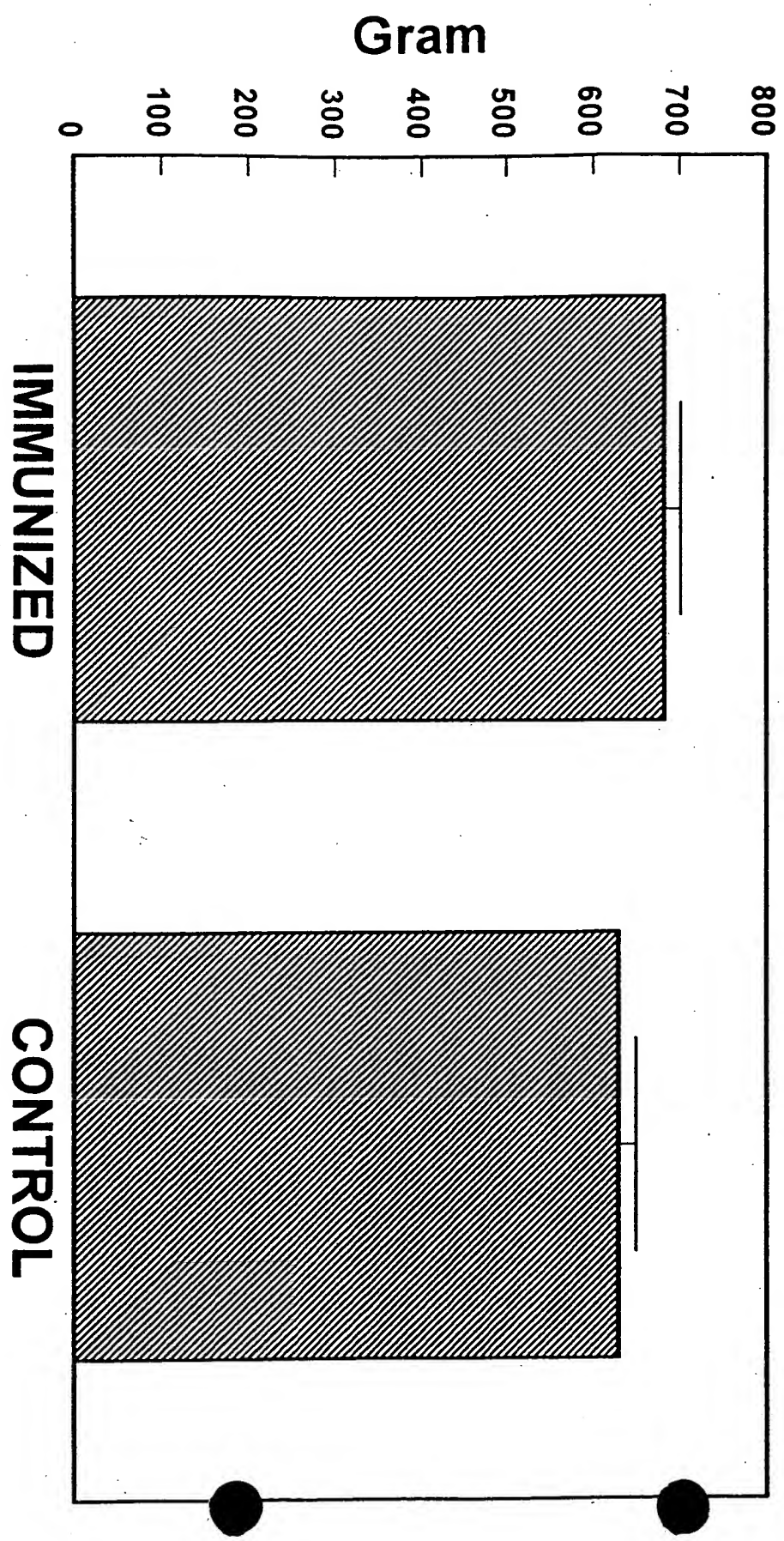


FIG. 11

Heart Weight

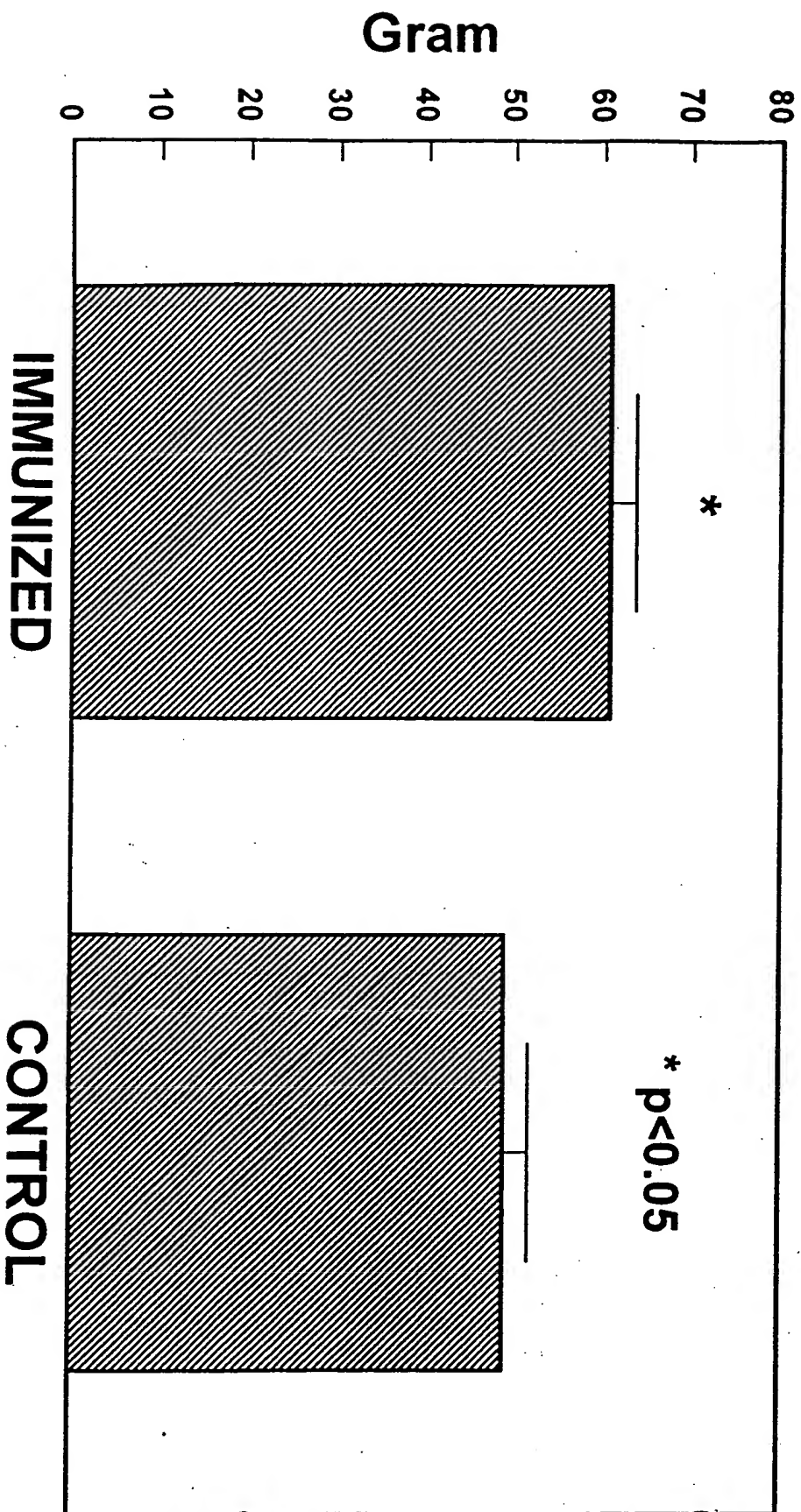


FIG. 12

Figure 13. Liver weight in immunized and control groups.

Liver Weight

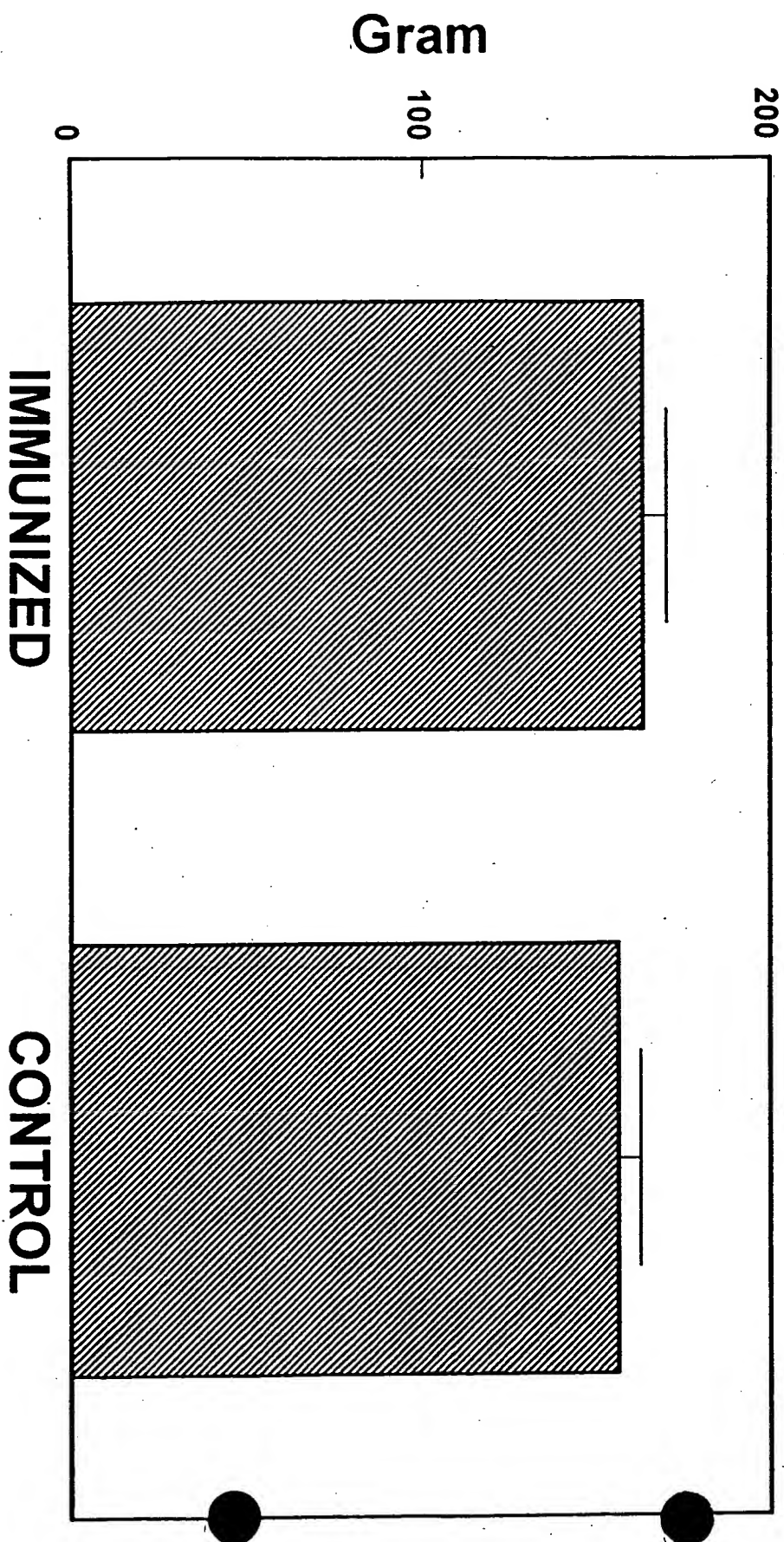


FIG. 13

Figure 14 shows the testis weight of immunized and control rats. The immunized rats have significantly heavier testes than the control rats.

Testis Weight

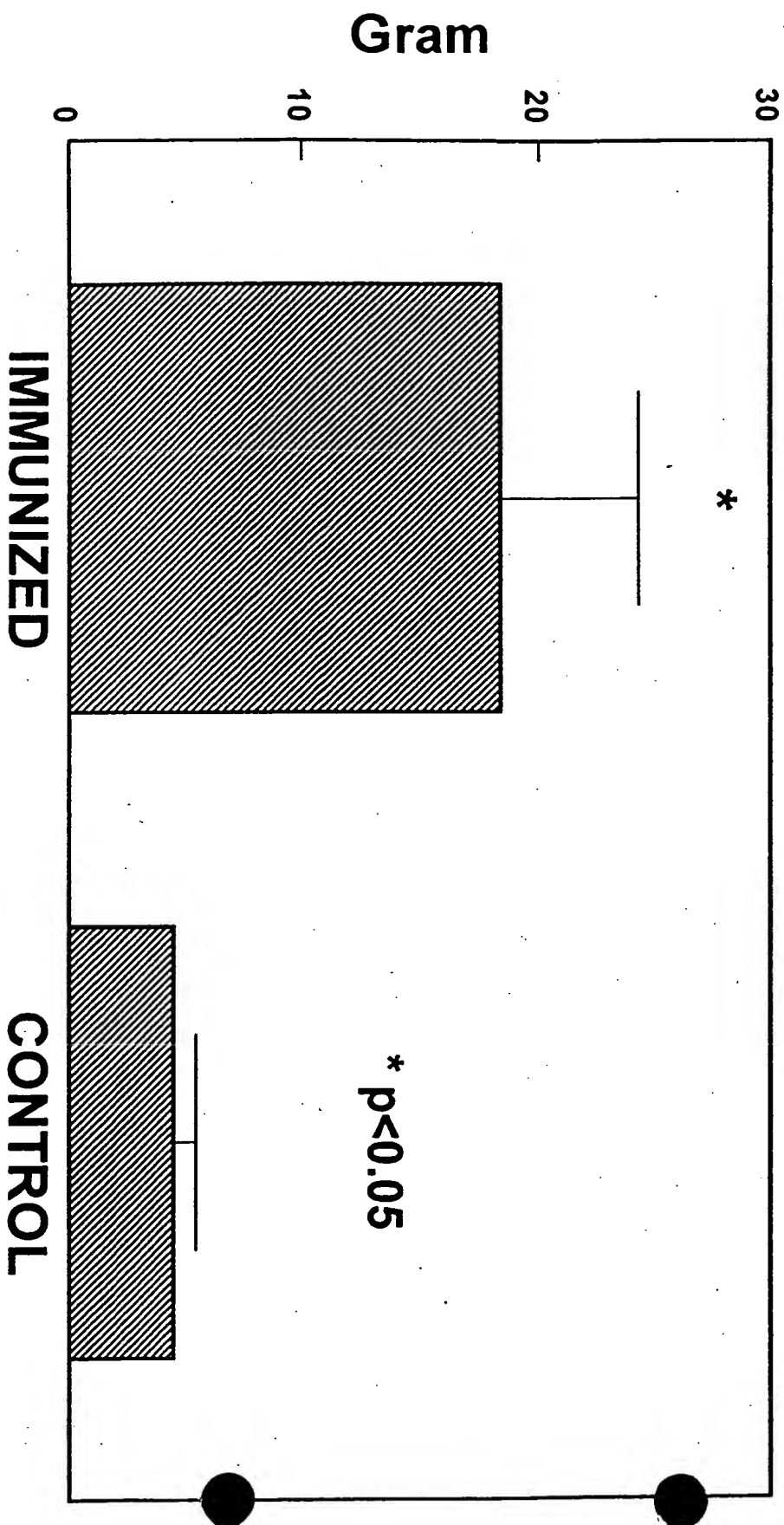


Fig. 14

Figure 1. Immunized vs Control

Breast Muscle (Immunized vs Control)



Fig. 15

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Breast (Immunized vs Control)



FIG. 16

www.ck12.org

Thigh Muscle

(Immunized vs Control)

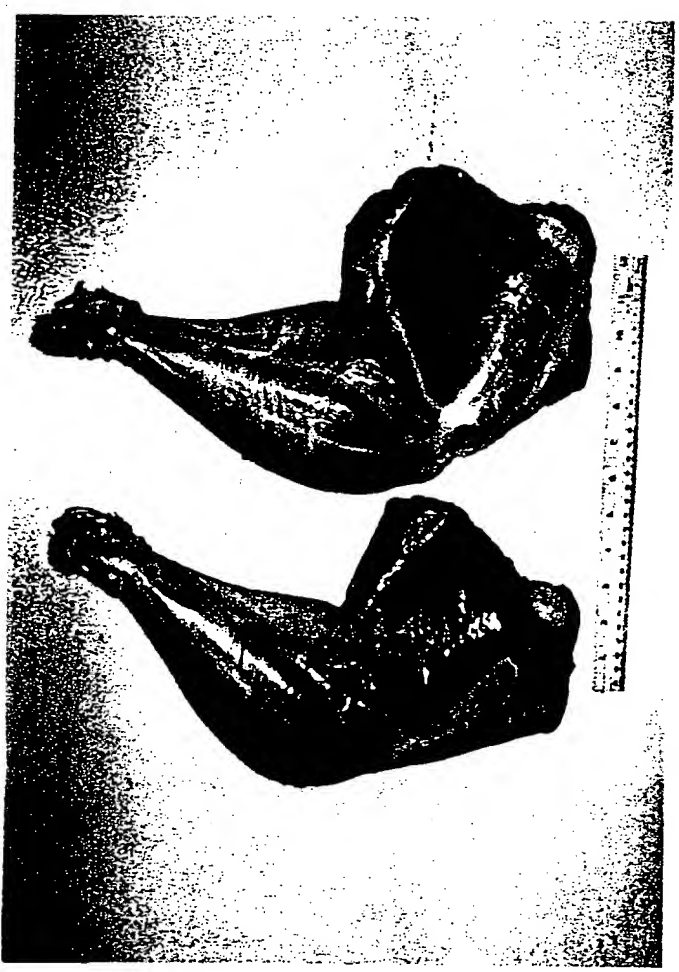


Fig. 17

Figure 18. Immunized vs Control. The figure shows two abdominal fat samples. The left sample is from a control animal and the right sample is from an immunized animal. The immunized sample shows a more irregular, darker, and more textured appearance compared to the control sample.

Abdominal Fat (Immunized vs Control)

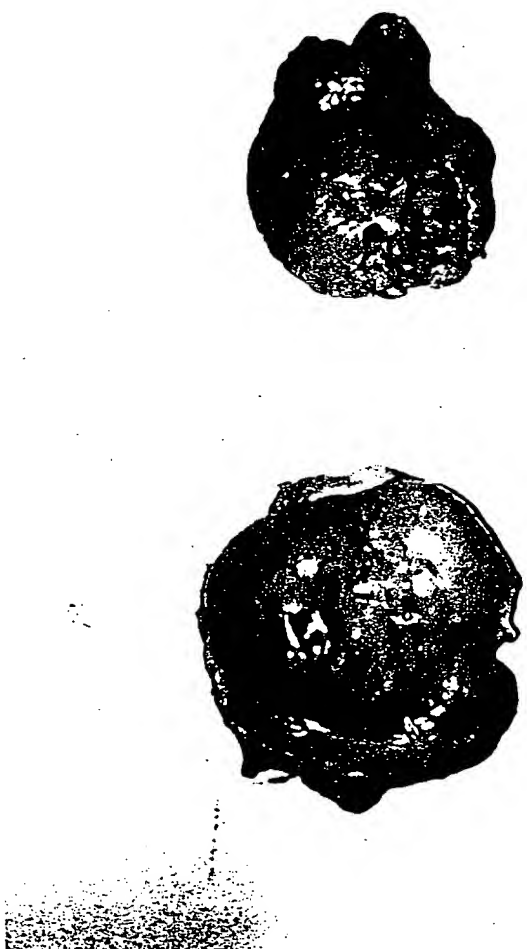


FIG. 18

Testis

(Immunized vs Control)

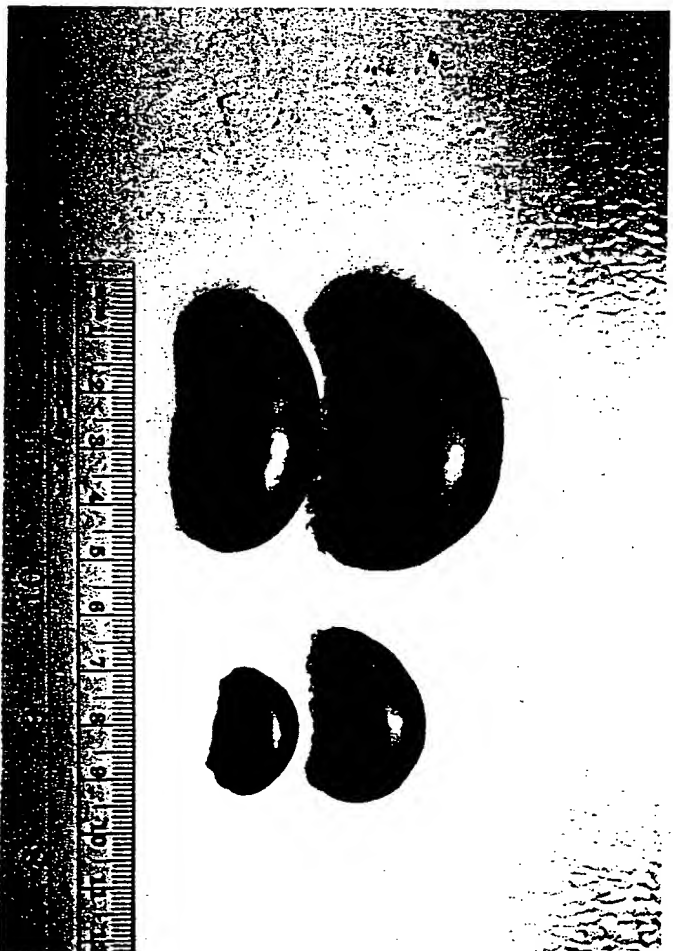


FIG. 19

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Heart

(Immunized vs Control)

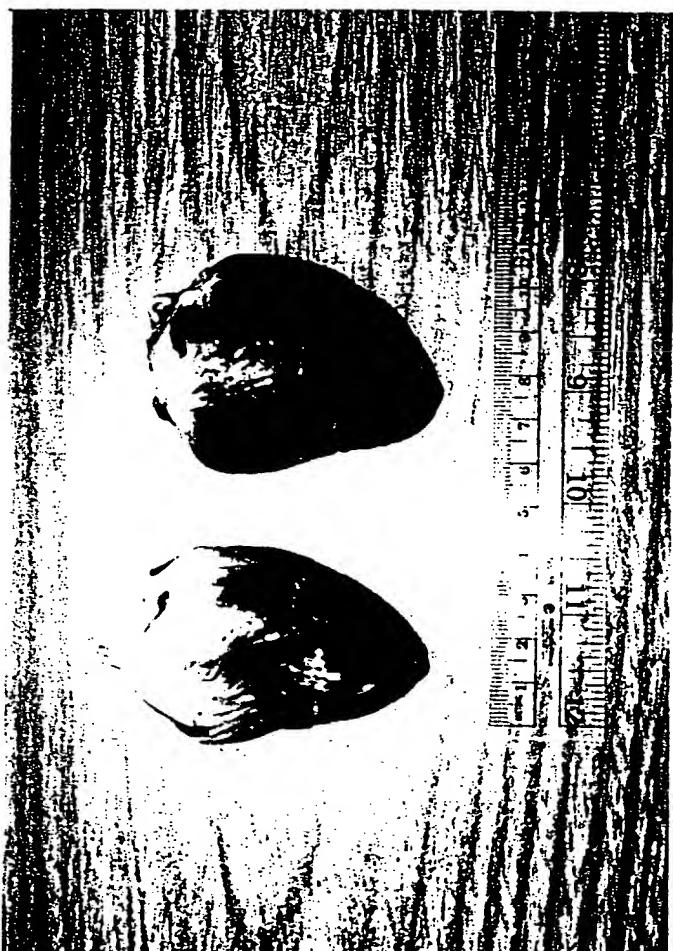


FIG. 20